



CV. CARMEL HILL MACHINERY

All Kinds of Packaging, Sealing, and Filling Machine

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QUOTATION

1800BPH CARBONATION BEVERAGE FILLING LINE



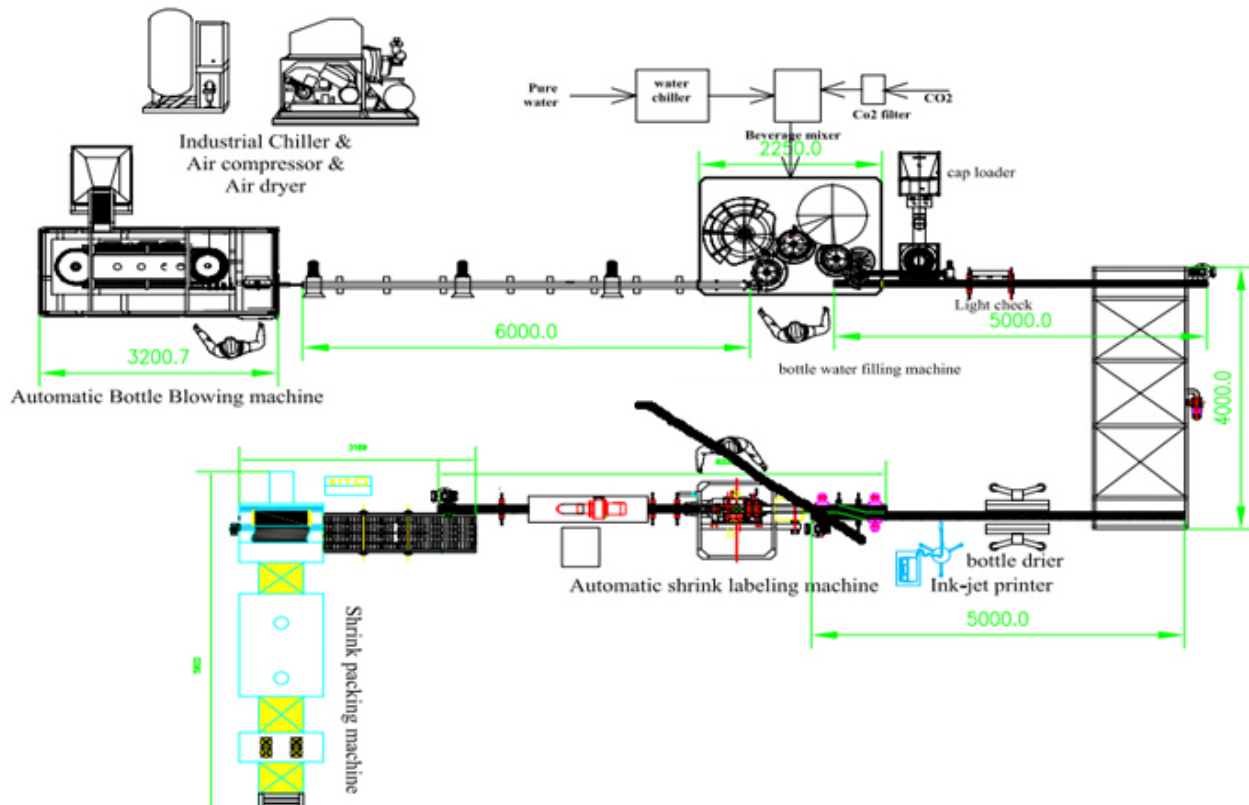
II : Price List

Item	Description	Model	Qty	Unit Price (Franco Solo - Jateng)	Remark
1	Cooling water tank+ Cooling machine	LY-1T	1	IDR 140,000,000	
2	Drink Mixing machine	QHS-2000	1	IDR 69,000,000	2000L, double layer heat preservation, one for reserve
3	Carbon Dioxide Filter	QJ-C	1	IDR 4,200,000	

4	Pipe and conveyor			Quantity and Price is depended on the really situation.	
5	DCGF8-8-3 3-in-1 washing/filling/capping machine	DCGF8-8-3 1800BPH	1	IDR 475,000,000	2m conveyor ,2m air conveyor Different bottle change part for 350USD/SET
6	Spray Bottle Machine and Drier	3m	1	IDR 195,000,000	Warming cold bottle
Total amount : IDR 883,200,000 (Delapan Ratus Delapan Puluh Tiga Juta Dua Ratus Ribu Rupiah)					

Working process:

Water cooling tank/cooling machine → Drink mixer ← Co₂ Filter ← Co₂



1. LY Series Cooling water tank+ Cooling machine



Summary:

The tank contains compressor using freon F-12 and F-22 as refrigerant. and pressure sensor, and temperature regulator for automatic controlling. It is corollary equipment for aerated water and sparkling wine making industry.

Information:

Model	LY-1000
Refringerant	F12
Tank Volume (M3)	1
Vapouring area(M2)	22
Refrigerating Capacity(Kg/h)	32.56(28000)
Water Output(Kg/h)	1400-2500
Output Water Temperature(°C)	3-5°C
Power (KW)	22
Overall Demensions(MM)	2200*1250*1800
Weight(Kg)	1000

2.QHS Series Drink Mixer



Summary:

This mixer adopts advanced gas-liquid mixing device, can mix syrup, water and CO₂ gas at the same time for filling machine. Also it can apply to thin beer, aerate for beer and produce sparkling

wine. This mixer is advanced in technology, even in mixing, reliable in performance, compact in structure, easy in operation. It is suitable for aerated beverage firm of large, middle or small scale.

Information:

Model	QHS-2000
Production Capacity(Bottles/hr)	2000-2500
Regulation range of suger&water mixing ratio	1:3-1:10
Gas content(CO2:H2O in Volume)	>2.5
Lnlet temperature of the chilled sater(°C)	0-5
Working pressure of storage vessel(Mpa)	0.05-0.15
Working pressure of storge vessel(Mpa)	0.2-0.5
Power(KW)	5.2
Overall Dimensions(mm)	1500*1200*2200
Weight(Kg)	1200

3. Carbon Dioxid Filter



Model: QJ-C

Row material: 304 stainless steel

Working Pressure: ≤ 0.7 Mpa

Pure: 99.99%

Filter Medium: potassium permanganate, Foam

Size: 500*400*1400mm

4. 8-8-3 Washing-Filling-Capping 3-IN-1 Filling Machine Configuration Introduction





Machine parts

Name	Brand	Original
PLC	Mitsubishi	Japan
Touchscreen	Weinview	Taiwan
Contactora	Schneider	France
Photoelectricity	Autonics	Korea
Pneumatic	Airtac	TaiWan
Filling valve	NanJing Valve	China
Pump	NanFang	China

This bottling Filling machine is fully automatic for Washing, filling and capping for the non-carbonated drink such as purified water, mineral water etc. The technology is from Italy.

I、Features:

1)The intermittent rotary spray wash, sent from the bottle, folder bottle shelves, inverted bottle stand up, synchronization bottle spray up to drain the bottle into the filling.

2) Filling with a unique clamp, to ensure Alignment the bottle with filling head accurately, avoid the leakage phenomenon due to the bottle is not round or bottle skew.

3)The inverter is from Japan's Mitsubishi, man-machine operating interface (touch screen) from Weinview - Taiwan, Programmable Logic Controller (PLC) from Misubishi - Japan, all production line is controlled automatically.

Protection functions: when it is lacking of caps, the host stops automatically.

Display functions: production speed (output), production quantity (can be cleared), fault automatic pop-up interface.

Optional Request ; Inspection System for check bottle cap

4)Capping head is working with magnetic clutch, Capping torque is adjustable to ensure the capping accuracy.

All parts that contact with the water are made of high quality stainless steel.

II、The main technical parameters:

Model	DCGF8-8-3
Product Capacity	500ml、1800 Bottles/Hour
Washing Head	8
Filling Head	8
Capping Head	3
Suitable bottleneck Size	$\Phi 40-\Phi 105\text{mm}$
Suitable bottle Heighth	$\leq 330\text{mm}$
Suitable bottle volume	$\leq 2000\text{ml}$

III、Washing Part



- 1)Capping heads and washing frame are made of SUS304 stainless steel.
- 2)The rotation clamp is controlled by the rotation equipment that is set below the nozzle in the bottle.
- 3)The sealing material contact with the product is food-grade ozone-resistant material.
- 4) Control Washing water is from Pump.the water pressure is up to 1.2-2 kg / cm²
- 5) Bottle anti-splash device

IV、Filling Part



1), All stainless steel structure: the filling valve is made of SUS304 material. The finished products tank is also made of SUS304 stainless steel tank.

2) Internal structure: the drive device with variable speed role, star model drive gear.

3) Upper structure: bottle wind conveying device (2M), bottle clamp trackwheel devices, filling part, washing part, capping part, finished bottles output chain (2M); filling valve guide ring used to avoid friction; the Grameen ring and O-silicone seals, sealing performance, filling fast and accurate level.

V、Capping part





- 1) Improved design based on the advanced technology from Italian AYOL company.
- 2) bottle-feeding is working through the trackwheel device of filling machine.
- 3) using PICK-PLACE advanced magnetic adjust torque technology, with height adjustment device.

VI、 Transmission System

- 1) Centralized transmission, washing, filling, and capping are running coordinated by one single motor.
- 2) The backplane using advanced high-pressure water jet cutting, precision machining of CNC machine tools, the precise size, precise positioning.
- 3) the domestic high-quality motor is controlled by PLC through the frequency converter.

4)Direct drive gear reducer, stable operation, maintenance easily.

VII、 Electronically controlled pneumatic system

1), electrical control box, pneumatic adjustment panel.

2) Japanese Mitsubishi series programmable controllers (PLC), Japanese Mitsubishi Inverter, Taiwan Weinview touch screen (HMI), France Schneider contact relay, France Schneider air switch, ABB button switch, Korea AUTONICS sensors. Pneumatic part adopts the the Taiwan AIRTAC pneumatic components.

VIII、 Introduction of Capping-manager System and Main frame.

1)The capping-manager system is in the right side of main frame, and parallel with conveyor system. align the cap-sending mouth with the cap plate,then fix the main frame and conveyor system by the accessories.

2)Connect the control wire of Capping-manager System to the main electrical control box by the Electrical schematic.

3) Start the capping-manager machine,check whether the capping-manager machine and cap-sending machine are working well.click the cap-sending button, and check whether the cap-sending cylinder is working well.

4) regulating the capping-manager machine and cap-sending system, to make sure that all the cap are in the same direction.

5) click the cap-sending button,regulate the heighth of capping-manager system to make sure that the level of cap-sending mouth is1mm higher than cap plate; then the cap will be sent to cap plate easily. Then switch off the cap-sending button to ensure all the cap cannot be sent to the plate.

6)Start the main frame and feed into an empty bottle, adjust the position of the bottle test and position test sensor switches (Set before factory off), so that the two sensor switch can work well, then feed a cap into plate. Then the capping head seize the cap and rotate to the bottle.

5. Spray bottle machine:



Model: WG-I

This machine is used to make the chiller beverage to normal temperature. It adopts normal temperature aseptic water spray. Features:

- 1) The chain plate is a "Lisheng" Brand product.
- 2) The conveyor is frequency controlled.
- 3) All nozzle and spray tubes are made of stainless steel and spray evenly.
- 4) The catchment flume is made of stainless steel and equipped with a level alarm device.

5. Parameter:

Capacity : 3000b/h 500ml PET Bottle

Steam pressure: 0.3Mpa-0.4Mpa

Steam inletting mouth: $\phi 25\text{mm}$

Water inletting mouth: $\phi 25\text{mm}$

Spraying water temperature: 10°C - 90°C

Length: 3 meters

Width: 1.2 meters

Material: Stainless steel 304

Pump: Nanfang PUMP

Electrical- Magnetic: Taiwan AIRTAC

Chain belt: High strength engineer plastic chain made in china

Quantity: 1set

Bottle drier



Model : HG-II

Material : 304stainless steel

Blowing heads: 5set

XFC-2200model fan: 2 sets

Power: 4.5kw

Size L*W*H: 600*550*1500mm

CV Carmel Hill Machinery

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